明治十九年九月刊行

明治十九年三月
廿三日出版届濟

定價金拾三錢

観測士 海軍大尉 山崎喜勝閲
観測助手 海軍一等技手 中川將行
同 海軍二等技手 伊藤直温
同 海軍八等技手 小澤兼藏
同 海軍屬 日比翁輔
同 海軍屬 白井正信
同 海軍十等技手 永江董

(Signed) Observer.
Y. Yamazaki.

Assistant.
M. Nakagawa.
" N. Itō.
" K. Ozawa.
" O. Hibi.
" M. Shirai.
" T. Nagaye.

REMARKS.

Day.

1 B.; *f.p.* in night.
2 *f.p.* in all day.
3 *f.p.*; E. about 2.13 a.m.
4 *f.p.* in day; *d.* in night.
5 *f.d.* in a.m.; *d.* in p.m.; T. at intervals, after 2 p.m.; R. about 7 p.m.
6 C. in a.m.; *d.* in p.m.; T. about 5.30 p.m.; R. at 7 p.m.
7 *d.* in all day.
8 R. at 1 a.m.; clearing after 8 a.m.
9 B.; M. in morning.
10 *f.d.* in a.m.; M. in morning.; *f.p.* in p.m.
11 *f.d.*; F. in morning.
12 B.
13 B. in day.; *d.* in night.; *r. b.* in south, at 6.40 p.m.
14 *f.p.*; M. in morning.
15 *f.p.*
16 B. C. in a.m.; M. in morning.; *f.p.* in p.m.
17 *f.p.* in all day.
18 *d.* in a.m.; B. C. in p.m.
19 R. 1.40 a.m.—5 a.m.; *d.*
20 C. with R. at intervals.; *r. b.* in east, at 5 p.m.
21 *d.*; R. at noon.
22 *d.* in all day.
23 B. C.; *r. b.* in east, at 6 p.m.; *f.p.* after 9 p.m.
24 *f.p.*; temperature much raised (95°.2 F. Max.)
25 *f.p.* in all day.; L. in N. W.; in night.
26 B. C. in a.m.; F. in morning, B. in p.m.; *d.* in night.
27 R. 4 a.m.—1 p.m.; T. at intervals after 8 a.m.; clearing after 1 p.m.
28 *f.p.*
29 B.; F. in morning.
30 B. C.; M. in morning.; *f.p.* in night.
31 B.; L. frequently in night.

記事

一日 晴夜來快晴
二日 終日快晴
三日 快晴午前二時十三分頃地震ス
四日 晝間快晴夜間薄陰
五日 午前薄晴午後薄陰同二時頃ヨリ時々雷鳴シ同七時頃暫時降雨
六日 午前陰午後薄陰同五時三十分頃遠雷シ同七時頃暫時疎雨
七日 終日薄陰
八日 午前一時頃暫時微雨同八時頃ヨリ漸々快晴
九日 晴朝霧稍濃厚
十日 午前薄晴朝來濃霧アリ午後快晴
十一日 快晴朝霧アリ
十二日 晴
十三日 晝間晴夜間薄陰午後六時四十分頃南方ニ虹現出ス
十四日 快晴朝霧稍濃厚
十五日 快晴
十六日 午前半晴朝霧アリ稍濃午後快晴
十七日 終日快晴
十八日 午前薄陰午後半晴
十九日 午前一時四十分頃ヨリ同五時過マテ降雨爾後薄陰
二十日 陰天時々降雨午後五時過東方ニ虹現ス
廿一日 薄陰正午過暫時微雨
廿二日 終日薄陰
廿三日 半晴午後六時過東方ニ虹現シ同九時頃ヨリ快晴
廿四日 快晴 本日温度頗ル上騰シ高極（九十五度二）ヲ示ス
廿五日 終日快晴夜來北西ニ屢ヽ電光アリ
廿六日 午前半晴朝霧アリ午後晴夜ニ入リ薄陰
廿七日 午前四時頃ヨリ降雨同八時頃ヨリ時々雷鳴シ午後一時頃雨歇ミ後漸々晴
廿八日 快晴
廿九日 晴朝霧アリ
三十日 半晴朝霧稍濃厚夜來快晴
卅一日 晴夜來時々電光ヲ發ス

地平磁針力
HORIZONTAL INTENSITY.

3rd Beginning / Ending time 3ʰ 15ᵐ / 4 30 P. M.　三日午後三時十五分ヨリ同四時三十分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	64 1 0	0 20	0 40				
	W.					2	57 23 40	23 0	23 20
	E.	3	64 1 0	0 20	0 40				
	W.					4	57 23 50	23 10	23 30
	E.	5	64 1 10	0 30	0 50				
平均 Means		64° 0′ 43.3″				……… 57° 23′ 25.0″			
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
西 West.	W.					6	57 20 30	19 50	20 10
	E.	7	63 56 20	55 40	6 0				
	W.					8	57 20 40	20 0	20 20
	E.	9	63 56 30	55 50	56 10				
	W.					10	57 20 50	20 10	20 30
平均 Means.		63° 56′ 5″.0				……… 57° 20′ 20″.0			

平均温度 Mean Temperature t = 91°.5 fah.
偏針角 Angle of Deflection u = 3° 18′ 15″.8

搖振時 Oscillations.

振數 No. of Osc.	測時 Time.	温度 Temp.	尺度兩端之視閱數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations.
	h m s	°			m s
0	4 15 34.7	90.7	5.3	53.0	
10	16 18.9				
20	17 3.3				
31	17 51.8				
41	18 36.2				
51	19 20.5				
100	22 57.7				7 23.0
110	23 41.9				23.0
120	24 26.1				22.8
131	25 14.7				22.9
141	25 59.2				23.0
151	26 43.6	90.6	17.6	41.2	23.1
平均 Means.		90.7	………		7 22.97

拗捩差 Mean effect of 90° of Torsion v = 1.58
時儀日差 Daily rate s = 2.60 losing.

成果 Resulting absolute value X = 6.3575

19th Beginning / Ending time 2ʰ 10ᵐ / 3 25 P. M.　十九日午後二時十分ヨリ同三時二十五分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A	B	Mean.	No.	A	B	Mean.
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
東 East.	E.	1	185 23 50	23 10	23 30				
	W.					2	178 45 10	44 30	44 50
	E.	3	185 24 0	23 20	23 40				
	W.					4	178 45 0	44 20	44 40
	E.	5	185 24 0	23 10	23 35				
平均 Means.		185° 23′ 35″.0				……… 178° 44′ 45″.0			
			° ′ ″	′ ″	′ ″		° ′ ″	′ ″	′ ″
西 West.	W.					6	178 41 50	41 0	41 25
	E.	7	185 18 40	18 0	18 20				
	W.					8	178 42 10	41 20	41 45
	E.	9	185 18 50	18 0	18 25				
	W.					10	178 42 20	41 30	41 55
平均 Means.		185° 18′ 22″.5				……… 175° 41′ 41″.7			

平均温度 Mean Temperature t = 83°.0 fah.
偏針角 Angle of Deflection u = 3° 18′ 52.″7

搖振時 Oscillations.

振數 No. of Osc.	測時 Time.	温度 Temp.	尺度兩端之視閱數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations.
	h m s	°			m s
0	3 11 44.0	82.8	2.2	58.0	
10	12 28.4				
20	13 13.0				
31	14 1.8				
41	14 46.4				
51	15 30.8				
100	19 9.0				7 25.0
110	19 53.4				25.0
120	20 37.8				24.8
131	21 27.0				25.2
141	22 11.4				25.0
151	22 56.0	83.0	46.1	13.7	25.2
平均 Means.		82.9	………		7 25.03

拗捩差 Mean effect of 90° of Torsion v = 1.15
時儀日差 Daily rate s = 3.10 losing.

成果 Resulting absolute value X = 6.3206

磁氣觀測之月報

東京海軍觀象臺

MONTHLY REPORT OF THE MAGNETICAL OBSERVATIONS,
NAVAL OBSERVATORY, TOKIO.

磁氣偏差 Magnetic Declination.

Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′
1	4 5.8	5	4 3.5	9	4 1.9	13	4 1.6	17	4 5.7	21	4 6.9	25	4 5.7	29	4 4.1
2	4 4.3	6	4 2.7	10	4 1.8	14	4 2.9	18	4 4.2	22	4 5.8	26	4 6.2	30	4 4.7
3	4 4.9	7	4 2.0	11	4 1.5	15	4 3.0	19	4 2.8	23	4 4.9	27	4 5.3	31	4 4.4
4	4 4.3	8	4 2.8	12	4 1.3	16	4 2.4	20	4 3.1	24	4 3.6	28	...		

平均 Mean = 4° 3′.80

磁氣傾差 Magnetic Inclination.

7th Beginning / Ending time $9^h\ 20^m$ / 9 50 A. M. 七日午前九時二十分ヨリ同時五十分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 29	49 27	50 0	49 59	49 21	49 19	49 30	49 26	50 0	50 1	49 13	49 15	49 40	49 41	49 28	49 21
49 29	49 26	49 55	49 52	49 36	49 34	49 37	49 33	49 58	49 59	49 12	49 13	49 54	49 56	49 24	49 27
49 29.0	49 56.5	49 57.5	49 55.5	49 28.5	49 26.5	49 33.5	49 29.5	49 59.0	50 0.0	49 12.5	49 14.0	49 47.0	49 48.5	49 21.0	49 24.0
49 27.7		49 56.5		49 27.5		49 31.5		49 59.5		49 13.3		49 47.7		49 22.5	
49 42.1				49 29.5				49 36.0				49 35.1			
49 35.8								49 36.0							

成果 Resulting Dip = 49° 35′.9

19th Beginning / Ending time $3^h\ 50^m$ / 4 16 P. M. 十九日午後三時五十分ヨリ同四時十六分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Facle E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 35	49 33	50 4	50 1	49 41	49 40	49 42	49 46	49 47	49 49	49 19	49 21	49 48	49 48	49 22	49 35
49 37	49 34	50 12	49 58	49 35	49 33	49 48	49 44	49 54	49 55	49 20	49 21	49 54	49 55	49 23	49 26
49 36.0	49 33.5	50 2.5	49 59.5	49 38.0	49 36.5	49 45.0	49 45.0	49 50.5	49 52.0	49 19.5	49 21.0	49 51.0	49 51.5	49 27.5	49 30.5
49 34.8		50 1.0		49 37.3		49 45.0		49 51.3		49 20.3		49 51.3		49 29.0	
49 33.6				49 41.2				49 35.8				49 40.2			
49 44.6								49 36.0							

成果 Resulting Dip=49° 40′.3

天候

WEATHER.

日次 Date	雲之種類 Kind of Cloud. 卷雲 Cirrus.	積雲 Cumulus	層雲 Stratus.	卷積雲 Cirro-Cumulus.	卷層雲 Cirro-Stratus	積層雲 Cumulo-Stratus.	卷積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain & Snow.
													in
1	...	...	...	5	1	...	...	...	...	...	2	2.9	...
2	...	...	1	2	...	1	...	...	...	...	4	0.5	...
3	1	...	...	2	1	...	...	...	...	...	4	0.6	...
4	...	...	...	8	...	...	...	...	...	...	...	4.5	...
5	1	3	...	3	...	1	...	...	...	...	...	8.4	...
6	...	1	...	6	...	1	...	...	...	...	...	9.1	...
7	...	...	...	6	...	2	...	...	...	...	...	8.6	...
8	2	...	...	5	1	...	...	...	...	...	...	4.5	...
9	...	...	...	4	...	...	...	...	...	1	3	2.1	...
10	...	...	...	4	1	...	...	...	...	1	2	2.8	...
11	...	...	...	4	3	...	...	...	...	1	...	1.1	...
12	...	...	...	8	...	...	...	...	...	...	...	1.4	...
13	...	...	...	8	...	...	...	...	...	...	...	5.4	...
14	1	...	...	4	...	...	1	...	...	1	1	1.9	...
15	...	...	1	5	2	...	...	...	...	...	...	2.0	...
16	...	...	...	6	...	...	...	...	...	1	1	2.6	...
17	...	...	...	3	...	3	...	...	...	...	2	1.6	...
18	...	1	...	7	...	...	...	...	...	...	...	7.4	...
19	...	...	...	6	...	1	...	1	...	...	...	9 5	0.67
20	...	...	...	2	...	1	1	4	...	...	...	9.5	0.05
21	...	...	...	7	1	...	...	...	...	...	...	7.5	0.14
22	...	...	...	8	...	...	...	...	...	...	...	8.1	...
23	...	...	...	8	...	...	...	...	...	...	...	6.5	...
24	...	...	...	4	1	...	...	...	...	...	3	1.5	...
25	...	...	...	7	...	...	...	...	...	...	1	2.0	...
26	...	...	...	5	2	...	...	...	...	1	...	3.9	...
27	...	1	...	4	...	...	...	3	...	...	...	8.0	0.38
28	...	...	...	8	...	...	...	...	...	...	...	1.4	1.68
29	...	...	...	7	...	...	...	...	...	...	1	3.3	...
30	1	1	...	4	...	...	...	...	...	1	1	3.0	...
31	1	...	...	5	...	...	2	...	...	...	...	3.8	...
合計 Sums.	7	7	2	165	13	10	4	8	...	7	25	...	2.92
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	4.4	...

風 WIND.

日次 Date.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of Miles.	北東 N. E. 時數 Number of Hours.	北東 N. E. 速力 Number of Miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of Miles.	南東 S. E. 時數 Number of Hours.	南東 S. E. 速力 Number of Miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of Miles.	南西 S. W. 時數 Number of Hours.	南西 S. W. 速力 Number of Miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of Miles.	北西 N. W. 時數 Number of Hours.	北西 N. W. 速力 Number of Miles.	合計 Total. 時數 Number of Hours.	合計 Total. 速力 Number of Miles.	最强 Strongest. 方位 Directions.	最强 Strongest. 速力 Miles.
1	...	...	...	...	...	...	...	...	...	12	165.7	12	110.3	...	...	...	...	24	276.0	S.	18.8
2	1	...	...	...	...	...	...	...	...	...	...	23	309.5	...	...	...	...	24	309.5	S.W.	21.1
3	1	...	...	...	...	...	...	...	...	13	109.3	10	72.8	...	...	...	...	24	182.1	S.	14.0
4	2	4	24.9	1	7.8	2	12.5	3	17.6	9	30.2	3	10.5	...	...	...	...	24	103.5	S.	11.9
5	1	8	17.0	8	44.8	7	53.7	...	...	...	...	...	...	...	...	...	...	24	115.5	E.	11.5
6	...	...	...	17	44.8	3	13.6	4	15.8	...	...	...	...	...	...	...	...	24	74.2	E.	5.6
7	5	...	...	1	0.9	5	10.4	...	...	13	72.8	...	...	...	...	...	...	24	84.1	S.	10.6
8	3	...	...	...	...	...	...	...	...	21	103.5	...	...	...	...	...	...	24	103.5	S.	11.4
9	1	...	...	...	...	...	...	...	...	23	122.2	...	...	...	...	...	...	24	122.2	S.	12.5
10	...	...	...	...	...	...	...	...	...	24	131.8	...	...	...	...	...	...	24	131.8	S.	13.7
11	3	...	...	...	...	...	...	...	...	21	184.3	...	...	...	...	...	...	24	184.3	S.	15.0
12	...	...	...	...	...	...	...	4	35.3	20	99.4	...	...	...	...	...	...	24	134.7	S.	14.7
13	...	...	...	...	...	...	...	...	...	16	64.0	8	70.3	...	...	...	...	24	134.3	S.W.	13.3
14	...	...	...	...	...	...	...	...	...	15	175.4	9	21.1	...	...	...	...	24	196.5	S.	18.0
15	3	...	...	...	...	...	...	...	...	21	147.9	...	...	...	...	...	...	24	147.9	S.	15.7
16	3	...	...	...	...	...	...	...	...	14	53.8	7	35.7	...	...	...	...	24	89.5	S.	13.8
17	3	...	...	...	...	...	...	9	64.2	5	29.0	7	5.4	...	...	...	...	24	98.6	S.E.	12.4
18	...	...	...	13	121.7	11	81.0	...	...	...	...	...	...	...	...	...	...	24	202.7	E.	13.1
19	...	...	...	24	257.9	...	...	...	...	...	...	...	...	...	...	...	...	24	257.9	N.E.	17.9
20	1	...	...	15	72.1	8	19.6	...	...	...	...	...	...	...	...	...	...	24	91.7	N.E.	8.9
21	1	...	...	...	...	9	5.8	4	43.2	10	142.1	...	...	...	...	...	...	24	191.1	S.	17.5
22	...	...	...	...	...	...	...	...	...	23	339.6	1	19.7	...	...	...	...	24	359.3	S.	20.6
23	...	...	...	...	...	...	...	...	...	17	304.6	7	44.6	...	...	...	...	24	349.2	S.	* 26.0
24	1	12	123.3	...	...	...	...	...	...	...	...	9	11.0	...	...	2	28.0	24	162.3	N.W.	16.8
25	1	9	33.6	1	4.0	...	...	6	43.2	7	25.8	...	...	...	...	...	...	24	106.6	S.E.	8.6
26	1	...	...	...	...	...	...	...	...	23	215.9	...	...	...	...	...	...	24	215.9	S.	20.3
27	...	...	...	...	...	...	...	...	...	11	123.3	8	60.7	...	...	5	29.4	24	213.4	S.	20.2
28	...	3	17.2	...	...	1	6.4	10	46.4	...	...	...	...	...	...	10	20.1	24	90.1	N.	8.7
29	2	...	...	...	...	...	...	14	46.5	8	55.4	...	...	...	...	...	...	24	101.9	S.E.	11.4
30	1	...	...	...	...	...	...	...	..	20	161.1	3	48.1	...	...	...	...	24	209.2	S.W.	18.4
31	...	...	...	...	...	...	...	...	...	...	...	21	352.4	1	4.0	2	8.7	24	365.1	S.W.	23.8
計合 Sums.	34	36	216.0	80	554.0	46	203.0	54	312.2	346	2857.1	128	1172.1	1	4.0	19	86.2	744	5404.6	..	...
極强 Max.	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	..	...	S.	26.0

湿氣百分數

HUMIDITY.

(Saturation = 100)

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
1	88	89	68	65	61	75	77	84
2	88	90	67	60	56	61	72	71
3	79	85	61	61	58	76	86	83
4	89	89	62	57	48	72	65	77
5	83	85	65	56	52	79	89	89
6	89	89	76	65	51	70	85	89
7	91	91	78	70	64	75	84	90
8	96	96	68	64	60	65	90	92
9	97	100	77	68	51	69	90	92
10	97	99	91	70	60	70	89	88
11	95	97	68	57	57	67	83	92
12	96	95	68	60	57	64	80	93
13	97	96	67	57	50	80	86	89
14	91	100	71	59	60	72	87	81
15	93	94	70	58	57	72	88	89
16	95	98	85	63	57	63	89	94
17	97	98	69	52	51	61	78	94
18	96	95	73	61	55	72	87	87
19	99	95	72	65	65	69	79	91
20	90	94	87	70	63	88	91	95
21	98	98	82	97	68	82	84	86
22	89	89	75	61	61	75	83	95
23	91	89	76	61	63	65	75	89
24	93	95	50	41	39	47	59	65
25	82	83	56	51	49	59	81	89
26	94	94	72	59	55	74	85	87
27	87	94	96	93	80	84	75	79
28	73	91	53	47	47	59	73	87
29	94	98	77	56	56	70	93	94
30	97	99	79	61	63	74	81	79
31	83	82	63	59	58	75	76	89
平均 Means.	91	93	72	62	57	70	82	87

蒸發力 ELASTIC FORCE OF VAPOUR.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	0.807	0.810	0.793	0.793	0.790	0.826	0.759	0.782
2	0.843	0.832	0.860	0.871	0.837	0.790	0.782	0.731
3	0.721	0.761	0.774	0.863	0.894	0.912	0.877	0.731
4	0.721	0.746	0.801	0.854	0.779	0.874	0.708	0.697
5	0.716	0.733	0.756	0.751	0.774	0.871	0.857	0.820
6	0.746	0.769	0.796	0.837	0.706	0.826	0.837	0.829
7	0.779	0.788	0.865	0.846	0.810	0.848	0.832	0.880
8	0.857	0.851	0.848	0.891	0.854	0.834	0.888	0.883
9	0.840	0.840	0.872	0.930	0.788	0.799	0.903	0.865
10	0.801	0.829	0.865	0.897	0.834	0.788	0.851	0.840
11	0.774	0.746	0.818	0.788	0.801	0.777	0.812	0.863
12	0.826	0.820	0.846	0.834	0.812	0.754	0.790	0.851
13	0.857	0.840	0.818	0.777	0.713	0.918	0.848	0.829
14	0.761	0.810	0.807	0.826	0.826	0.799	0.857	0.772
15	0.759	0.785	0.818	0.815	0.810	0.823	0.854	0.829
16	0.793	0.774	0.837	0.843	0.810	0.759	0.846	0.818
17	0.848	0.801	0.823	0.718	0.764	0.723	0.799	0.840
18	0.807	0.790	0.756	0.731	0.754	0.759	0.813	0.796
19	0.810	0.796	0.741	0.733	0.687	0.684	0.713	0.726
20	0.701	0.689	0.731	0.738	0.764	0.860	0.863	0.897
21	0.857	0.848	0.883	0.900	0.854	0.854	0.820	0.829
22	0.815	0.804	0.779	0.764	0.766	0.764	0.807	0.877
23	0.834	0.834	0.860	0.848	0.815	0.736	0.772	0.788
24	0.785	0.764	0.633	0.657	0.635	0.650	0.613	0.622
25	0.666	0.628	0.628	0.736	0.716	0.701	0.782	0.820
26	0.871	0.843	0.871	0.823	0.766	0.793	0.837	0.837
27	0.843	0.818	0.906	0.751	0.865	0.883	0.648	0.659
28	0.568	0.613	0.580	0.580	0.622	0.668	0.721	0.769
29	0.741	0.726	0.788	0.697	0.764	0.731	0.829	0.818
30	0.769	0.846	0.764	0.769	0.761	0.779	0.788	0.738
31	0.826	0.754	0.754	0.788	0.782	0.796	0.746	0.711
平均 Means.	0.785	0.783	0.796	0.795	0.779	0.793	0.802	0.798

明治十九年八月

AUGUST 1886.

露點温度

DEW POINT.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	72.8	72.9	72.3	72.3	72.2	73.5	71.0	71.9
2	74.1	73.7	74.7	75.1	73.9	72.2	71.9	69.9
3	69.5	71.1	71.6	74.8	75.9	76.5	75.3	69.9
4	69.5	70.5	72.6	74.5	71.8	75.2	69.0	68.5
5	69.3	70.0	70.9	70.7	71.6	75.1	74.6	73.3
6	70.5	71.4	72.4	73.9	68.9	73.5	73.9	73.6
7	71.8	72.1	74.9	74.2	72.9	74.3	73.7	75.4
8	74.6	74.4	74.3	75.8	74.5	73.8	75.7	75.5
9	74.0	74.0	75.2	77.1	72.1	72.5	76.2	74.9
10	72.6	73.6	74.9	76.0	73.8	72.1	74.4	74.0
11	71.6	70.5	73.2	72.1	72.6	71.7	73.0	74.8
12	73.5	73.3	74.2	73.8	73.0	70.8	72.2	74.4
13	74.6	74.0	73.2	71.7	69.2	76.7	74.3	73.6
14	71.1	72.9	72.8	73.5	73.5	72.5	74.6	71.5
15	71.0	72.0	73.2	73.1	72.9	73.4	74.5	73.6
16	72.3	71.6	73.9	74.1	72.9	71.0	74.2	73.2
17	74.3	72.6	73.4	69.4	71.2	69.6	72.5	74.0
18	72.8	72.2	70.9	69.9	70.8	71.0	73.1	72.4
19	72.9	72.4	70.3	70.0	68.1	68.0	69.2	69.7
20	68.7	68.2	69.9	70.2	71.2	74.7	74.8	76.0
21	74.6	74.3	75.5	76.1	74.5	74.5	73.2	73.6
22	73.1	72.7	71.8	71.2	71.3	71.2	72.8	75.3
23	73.8	73.8	74.7	74.3	73.1	70.1	71.5	72.1
24	72.0	71.2	65.7	66.8	65.8	66.5	64.8	65.2
25	67.2	65.5	65.5	70.1	69.3	68.7	71.9	73.3
26	75.1	74.1	75.1	73.4	71.3	72.3	73.9	73.9
27	74.1	73.2	76.3	70.7	74.9	75.5	66.4	66.9
28	62.6	64.8	63.2	63.2	65.2	67.3	69.5	71.4
29	70.3	69.7	72.1	68.5	71.2	69.9	73.6	73.2
30	71.4	74.2	71.2	71.4	71.1	71.8	72.1	70.2
31	73.5	70.8	70.8	72.1	71.9	72.4	70.5	69.1
平均 Means.	71.9	71.9	72.3	72.3	71.7	72.2	72.5	72.4

日次 Date.	寒暑鍼 THERMOMETER.							
	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	76.5	76.5	83.8	85.0	87.0	82.1	79.0	77.0
2	77.8	76.8	86.9	90.5	91.7	87.0	82.1	80.0
3	77.8	76.0	86.6	89.8	92.8	85.5	79.9	75.5
4	73.0	74.0	87.0	92.0	94.0	84.9	81.9	76.0
5	75.0	74.8	83.7	87.9	92.3	82.3	78.0	76.7
6	74.0	74.8	81.0	87.0	89.8	84 2	79.0	77.0
7	74.4	75.0	82.3	84.9	85.9	82.9	79.1	78.8
8	76.0	75.9	85.7	89.5	90.0	87.1	79.1	78.0
9	75.0	74.2	83.2	89.0	93.0	85.2	79.6	77.6
10	73.5	73.9	78.0	87.0	89.8	82.8	78.0	77.7
11	73.2	71.6	84.7	89.5	89.2	83.8	78.8	77.5
12	75.0	75.0	85.7	89.0	89.6	84.1	79.0	76.6
13	75.6	75.5	85.0	88.6	90.5	83.4	79.0	77.2
14	73.8	73.1	83.3	89.0	88.5	83.2	79.0	77.6
15	73.0	73.7	84.0	90.0	90.0	83.6	78.2	77.0
16	73.5	72.3	79.0	88.0	90.0	85.0	77.8	75.2
17	75.3	73.1	84.6	89.2	91.7	84.6	80.0	76.0
18	74.0	73.7	80.1	84.7	88.7	81.3	77.0	76.3
19	73.1	73.8	80.0	83.0	81.2	78.9	76.0	72.3
20	71.8	70.0	74.1	81.1	85.2	78.9	77.7	77.7
21	75.5	75.0	81.7	86.0	86.0	80.8	78.6	78.0
22	76.7	76.3	80.0	86.0	86.1	79.8	78.1	77.0
23	76.7	77.2	83.0	89.0	87.0	83.1	79.7	75.5
24	74.0	72.8	86.3	94.0	94.3	88.5	80.2	78.0
25	73.1	71.2	83.0	90.6	90.7	84.8	78.3	76.9
26	77.0	76.0	85.0	89.7	89.2	81.4	79.0	78.0
27	78.5	75.1	77.5	72.7	81.3	81.0	75.0	73.8
28	71.8	67.5	81.3	85.6	87.8	82.8	78.7	75.3
29	72 0	70.4	80.0	86.3	88.8	80.8	76.0	75.2
30	72.3	74.5	78.0	86.2	84.8	81.0	78.0	77.0
31	77.1	76.6	85.0	87.7	88.3	81.1	78.6	72.8
平均 Means.	74.7	74.1	82.6	87.4	88.9	83.1	78.7	76.6

改正風雨鍼

BAROMETER.

Reduced to 32° F. and sea level.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	29.738	29.759	29.778	29.768	29.741	29.799	29.764	29.765
2	29.791	29.822	29.845	29.842	29.824	29.816	29 878	29.900
3	29.910	29.947	29.961	29.930	29.897	29.905	29.952	29.954
4	29.957	29.983	29.983	29.969	29.938	29.953	30.018	29.980
5	29.999	30.038	30.046	30.033	30.007	30.041	30.091	30.103
6	30.074	30.096	30.104	30.074	30.039	30.068	30.068	30.059
7	30.048	30.065	30.069	30.033	29.935	29.976	30.007	29.987
8	29.963	29.979	29.967	29.941	29.904	29.905	29.942	29.925
9	29.914	29.937	29.954	29.925	29.876	29 879	29.903	29.907
10	29.892	29.940	29 919	29.918	29.891	29.893	29.929	29.926
11	29.924	29.955	29.972	29.959	29.923	29.939	29.986	29.985
12	29.981	30.007	30.022	30 002	29.974	29.971	29.997	30.010
13	29.995	30.011	30.015	29.989	29.941	29.976	29.990	30.022
14	30.007	30.009	30.034	30.016	29.972	29.976	30.010	30.006
15	29.993	30.016	30.014	30.000	29.954	29.960	29.983	29.953
16	29.974	29.997	30.001	29.931	29.931	29.957	30.009	30.011
17	29.989	30.000	30.009	29.985	29.952	29.968	30.014	30.026
18	29.987	30.005	30.012	29.979	29.937	29.953	29.992	29.987
19	29.967	29.977	29.983	29.965	29.858	29.965	29.982	29.990
20	29.973	29.933	30.013	29.981	29.936	29.955	29.978	29.970
21	29.936	29.958	29.962	29.921	29.883	29.887	29.895	29.881
22	29.851	29.903	29.961	29.938	29.804	29.795	29.803	29.774
23	29.716	29.731	29.706	29.666	29.617	29.593	29.596	29.600
24	29.601	29.624	29.628	29.609	29.597	29.637	29.690	29.702
25	29.700	29.746	29.772	29.757	29.733	29.764	29 812	29.809
26	29 808	29.844	29.852	29.830	29.804	29.820	29.839	29.814
27	29.790	29.806	29.772	29.701	29.701	29.709	29.781	29 805
28	29.814	29.878	29.887	29.892	29.896	29.928	29.995	30.019
29	30.011	30.035	30.063	30.043	30.000	30.016	30.035	30.018
30	30.021	30.066	30.065	30.038	29.981	29.986	30.000	29.996
31	29.973	29.931	29.979	29.936	29.891	29.874	29.940	29.950
平均 Means.	29.913	29.939	29.948	29.923	29.887	29.899	29.912	29.932

氣象觀測之月報
東京海軍觀象臺
MONTHLY REPORT
OF THE
METEOROLOGICAL OBSERVATIONS,
NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″5 N. Long. 139° 44′ 30″3 E. Height above sea-level 70 feet.

日次 Date.	改正風雨鍼 Barometer. Reduced to 32 F. & sea level. 平均 Mean.	高極 Max.	低極 Min.	寒暑鍼 Thermometer. 平均 Mean.	高極 Max.	低極 Min.	露點温度 平均 Mean Temp. of Dew point.	蒸發力 平均 Mean elastic force of Vapour.	濕氣百分數 平均 Mean Humidity (Sat. = 100).	無氣中日温度 高極 Vacuum solar radiation Max.	日温度 高極 Solar radiation Max.	地温度 低極 Terrestrial radiation Min.
	in	in	in	°	°	°	°	in		°	°	°
1	29.764	29.799	29.738	80.9	87.9	75.0	72.4	0.795	76	152.5	113.2	58.3
2	29.840	29.900	29.790	84.1	93.3	74.5	73.2	0.818	71	150.0	113.0	57.5
3	29.932	29.954	29.897	83.0	93.6	74.5	73.1	0.817	74	150.8	115.8	56.0
4	29.973	30.018	29.938	82.9	94.4	72.5	71.5	0.773	70	154.1	116.9	54.9
5	30.045	30.103	29.999	81.3	93.1	73.9	71.9	0.785	75	154.7	115.2	57.7
6	30.073	* 30.104	30.039	80.9	91.5	73.5	72.3	0.793	77	159.3	116.0	58.0
7	30.021	30.069	29.976	80.4	88.0	73.3	73.7	0.831	80	157.2	116.0	57.4
8	29.941	29.979	29.904	82.7	91.3	75.2	74.8	0.863	79	* 161.4	* 118.1	60.0
9	29.912	29.954	29.876	82.1	93.3	72.8	74.5	0.855	81	151.9	114.0	55.5
10	29.917	29.949	29.891	80.1	90.8	72.4	73.9	0.838	83	152.2	114.9	54.0
11	29.955	29.986	29.923	81.0	91.9	70.3	72.4	0.797	77	155.0	115.0	60.6
12	29.996	30.022	29.971	81.8	90.8	73.0	73.2	0.817	77	152.0	115.5	55.3
13	29.992	30.022	29.941	81.9	92.0	74.5	73.4	0.825	78	151.2	116.0	55.5
14	30.004	30.034	29.972	80.9	91.1	71.0	72.8	0.807	78	150.5	114.0	56.6
15	29.988	30.016	29.954	81.2	90.8	71.7	73.0	0.812	78	150.2	112.1	54.2
16	29.983	30.011	29.931	80.1	91.2	71.5	72.9	0.810	81	157.0	116.1	58.1
17	29.993	30.026	29.952	81.8	93.4	71.2	72.1	0.790	75	151.6	115.7	54.7
18	29.982	30.012	29.937	79.5	89.0	73.1	71.6	0.776	78	154.7	113.8	56.0
19	29.973	29.990	29.958	77.3	85.5	72.4	70.1	0.736	79	150.4	111.3	56.8
20	29.974	30.013	29.936	77.1	88.7	69.5	71.4	0.780	85	160.0	114.5	55.9
21	29.915	29.9[illegible]2	29.881	80.2	87.8	74.5	74.5	0.856	87	152.7	110.2	59.3
22	29.854	29.961	29.774	80.0	87.9	75.6	72.4	0.797	79	151.0	118.0	62.0
23	29.653	29.736	* 29.577	81.4	89.8	75.3	72.9	0.811	76	148.9	117.8	52.3
24	29.636	29.702	29.597	83.5	* 95.2	72.5	67.3	0.670	61	150.0	113.5	55.1
25	29.762	29.812	29.700	81.1	91.8	71.0	68.9	0.710	69	150.2	116.0	51.7
26	29.826	29.852	29.804	81.9	91.7	74.9	73.6	0.830	78	151.3	112.5	51.6
27	29.758	29.806	29.701	76.9	84.1	72.1	72.3	0.797	86	130.3	98.0	56.0
28	29.914	30.019	29.814	78.9	89.0	* 67.0	65.9	0.640	66	149.5	110.2	* 47.0
29	30.033	30.063	30.009	78.7	89.1	69.7	71.1	0.762	80	147.5	112.0	53.6
30	30.019	30.066	29.981	79.0	87.5	68.5	71.7	0.777	79	154.0	115.5	52.8
31	29.941	29.981	29.874	80.9	89.2	72.8	71.4	0.770	73	153.0	108.9	56.2
平均 Means.	29.922	...	...	80.8	...	...	72.1	0.791	77	...	...	...
至極 Max. & Min.	...	30.104	29.577	...	95.2	67.0	...	...	...	161.4	118.1	47.0

凡例

一風雨鍼ハ氷點及海面ニ改正ス
一寒暑鍼ハ都テ華氏ノ度表ヲ用フ
一露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス
一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス
一天候ノ表中降雨、降雪、靄霧、雲ノ種類ハ悉皆觀望ノ時數ヲ掲ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス
又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス
一此觀測ノ用器ハ偏差儀傾差儀及「ユーニフアイラ」磁氣儀ナリ
一偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス
一搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet = 2′.37.

晴天 B. (Blue Sky). 陰天 C. (Cloudy Weather). 濛雨 D. (Drizzling, or Light Rain).
地震 E. (Earthquake). 霧 F. (Fog). 暗黒 G. (Dark, gloomy). 霰 H. (Hail).
霜 H. F. (Hoar Frost). 電 L. (Lightning). 濃霧 M. (Misty). 陰雲 O. (Overcast).
驟雨 P. (Passing shower). 嵐 Q. (Squally). 雨 R. (Rain). 雪 S. (Snow). 雷 T. (Thunder).
天氣險惡ノ模樣 U. (Ugly, threatening). 天氣不定 V. (Variable Weather). 露 W. (Dew).
霞霧 Z. (Hazy). 日暈 *s. h.* (Solar Halo). 月暈 *l. h.* (Lunar Halo). 虹 *r. b.* (Rainbow).
風 *w* (Wind). The force of wind is expressed by w_1, w_2, &c, as w_1 = slight, w_5 = strongest.
快晴 *f. p.* (Fine and pleasant). 薄晴 *f. d.* (Fine, but dull). 薄陰 *d.* (Dull).

氣象及磁氣月報

東京

海軍水路部觀象臺

明治十九年八月

MONTHLY REPORT

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